

## **Abstract**

A flame arrestor for a flowing explosive gas (4), having a flame barrier (10, 20, 30) with a large number of defined passage gaps (17, 18), whose gap cross section is set with regard to the properties of the flowing gas (4), is cooled effectively and secured against a flame flashback in the case of continuous combustion by the fact that second gaps (18) having a smaller gap cross section are arranged adjacent to the first gaps (17) having the selected gap cross section.

(Figure 3)